

BOROUGH OF GLOSSOP.

EDUCATION COMMITTEE.

ANNUAL REPORT

OF THE

School Medical Officer

(E. H. Marcus Milligan, M.D., D.P.H.)

FOR THE YEAR 1929.



Glossop Printers Limited, Telephone, 67.





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Glossop Education Authority.

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School Medical Officer

For the Year 1929.

(1) STAFF:

E. H. Marcus Milligan, M.D., D.P.H., School Medical Officer.

Peter Malloch, L.R.C.P. & S., School Oculist

Mary Gallagher, M.B., Surgeon for Nose and Throat Diseases.

Miss Muriel Robertson, L.D.S., School Dentist.

Miss B. Coventry, C.M.B., R. San. Inst. Cert., School Nurse

Mrs. M. Woolliscroft, Fully Trained, C.M.B., Cert., School Nurse

(2) CO-ORDINATION.

(a) Co-ordination with Infant Welfare and Child Welfare Work:—-

The School Medical Officer is also Medical Officer of Health and Medical Officer of the Infant Clinics; the School Nurses are also Health Visitors for Maternity and Child Welfare work.

Child Welfare Record Cards are passed on to the School Medical Department.

The School Medical Department, Maternity and Child-Welfare Department and the Public Health Department occupy one suite of rooms.

The Maternity and Child Welfare Committee have now arranged that children under school age should in suitable cases have the advantage of attending the School Clinics.

- (b) Nursery Schools:—
 There are no Nursery Schools in Glossop.
- (c) The care of Debilitated Children under School Age:—
 Debilitated children are seen at the Welfare Centres and advice is given to mothers regarding their general care; in certain instances mothers are advised to obtain treatment by their own Doctor for their children or to bring them to the Tuberculosis Dispensary.

The Tuberculosis Officer can now send suitable cases to Bretby Hall, an institution belonging to the Derbyshire C.C., conducted on Sanatorium lines.

Our Health Visitors visit children under school age in their homes, and we have also two Welfare Centres which are well attended.

Children under 5 years are called up now for Medical Inspection at the Centres.

Where the children are tubercular or are in contact with tubercular persons the Tuberculosis Care Committee gives free milk.

† Two U.V. Lamps have been presented to the Corporation by the Hospital Committee and are now used for debilitated children as well as for other persons.

(3) SCHOOL HYGIENE.

I submit herewith details of the teaching of hygiene in some of the schools.

SENIOR MIXED SCHOOL (GIRLS) 11+.

Zion.	Yes.	Full use is made of every opportunity to inculcate habits of cleanliness of the person and clothing and to stress the value of fresh air, sunlight, wholesome food and to teach self-control.
Dinting C.E.	Yes.	40 minutes.
Whitfield C.E.	Not in ordinary lessons, but at the House-wifery Centre.	Senior girls attend Housewifery Centre one day per week.
Padfield.	ÖZ	Hygieneistaken with the science and domestic lessons and is repeatedly referred to in the general school routine.
St. Luke's.	Yes.	Classes 1 and 2, 12—18 lessons per term, hour to each lesson. Classes 3 and 4, 8 lessons of hour each per term.
Hadfield C.E.	Incidental teaching in cleanliness of nose, ears, hair, teeth and washing before ing before	No definite time.
Query.	Is a systematic course of hygiene taken through the School?	How much time per week is assigned on the Time Table for each class or Form to the teaching of hygiene?

SENIOR MIXED SCHOOL (GIRLS) 11+-Continued.

Yes.	Yes.	Yes.	Yes.
Yes.	Yes.	Yes.	Yes,
No	No.	No.	No.
No.	Yes.	, ,	Yes.
Yes.	Yes.	No.	
Yes.	Partly so, and short talks as necessity arises	Yes.	Yes.
Is a copy of the Handbook of Suggestions on Health Education supplied to each teacher?	Are the lessons given based on the Handbook?	Is a copy of the Syllabus of the Hygiene of Food & Drink supplied to each teacher?	Are the lessons given on this subject based on this Syllabus?
	Yes. No. No. Yes.	Partly so, and Short talks as necessity arises	Partly so, and short talks as necessity arises Yes. No. Yes. Yes. Yes. Yes. Yes. Yes. Yes.

SENIOR MIXED SCHOOL (GIRLS) 11+.-Continued.

	O	
Zion.	This is attempted, especially Citizenship.	Two girls in rota supervise thethings mentioned; they have definite duties.
Dinting C.E.	Incidentally in religious teaching and in History.	Monitors appointed to report on matters connected with sanitary conveniences and playground.
Whitfield C.E.	Each Monday morning the chief laws of health are dealt with by the Class Teacher.	Girls encouraged to notice the temperature and the ventilation necessary.
Padfield.	English essays on cleanliness. In History and Geogy, as occasion arises. Designs illustrating the clean funclean. Domestic class and Mother-craft.	Monitors appointed to attend to ventilation, general cleanliness of classrooms and playground.
St Luke's.	Health Education is associated with the ordinary school curriculum in accordance with the suggestion.	The importance of this is frequently brought to their notice. They respond well and do all they can to assist.
Hadfield C.E.	Occasional talks	Girls reportany- thing amiss. Little ones are warned by their elders when n e c e s s i t y arises.
Query.	How far is health education taught through the other subjects of the school curriculum as outlined on pages 72 to 76 of the Handbook of Suggestions on Health Education?	To what extent. if any, do the girls share in the responsibility for the care of the ventilation & clean-

proper condi-tion of the lava-tories & sanitary conveniences, and of the play-ground, etc.?

classrooms,

SENIOR MIXED SCHOOL (GIRLS) 11+-Continued.

71011.	Health Exhibition. Mothercraft lectures by S.M.O.	Nature Study with juniors.	œ
Dinting C.E.	Health Exhibition. Mothercraft lectures by S.M.O.	None.	21
Whitfield C.E.	Health Exhibition. Mothercraft lectures by S.M.O.	None.	63
Padfield.	Health Exhibition. Mothercraft lectures by S.M.O.	Only such as is revealed in Nature Study lessons.	O
St. Luke's.	Health Exhibition. Mothercraft lectures by S.M.O. and other lecturers.	None.	28
Hadfield C.E.	Health Exhibition. Mothercraft lectures by S.M.O.	None.	32
Query.	Are any special visits paid bearing on education in matters of health, e.g., visits to waterworks, sewage	works, dairy farms, etc.? State the character and content of the instruction, if any, given in	matters of sex? No. in School

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SENIOR MIXED SCHOOL (BOYS) 11+.

Zion.	$\Lambda_{\Theta S}$.	Full use is made of every opportunity to inculcate habits of cleanliness of the person and clothing and to stress the value of fresh air, sunlight, wholesome food and to teach self-control.
Dinting C.E.	Yes.	Classes 1 and 2, February 40 minutes.
Whitfield C.E.	° Z	°Z
Padfield.	No.	No definite time on Time Table, but lessons given in connection with Science lessons. Hygiene brought to children's notice in school routine.
St. Luke's.	Yes	Classes 1 and 2, 12—18 lessons per term (\$\frac{1}{2}\$ hour each.) Classes 3 and 4, 8 lessons per term (\$\frac{1}{2}\$ hour each).
Hadfield C.E.	Incidental teaching in cleanliness of nose, hair, ears, teeth & wash- ing before meals.	No, definite time.
Query.	Is a systematic course of hygiene taken through the School?	How much time per week is assigned on the Time Table for each Class or Form to the teaching of hygiene?

Ziob.	Yes.	Yes.	Yes.	Yes.
ed. Dinting C.E.	Yes	Yes.	Yes.	Yes.
SCHOOL (BOYS) 11+—Continued. Padfield. Whitfield C.E.	No	No.	No.	No.
SCHOOL (BOY Padfield.	No	Yes.	o N	Yes.
SENIOR MIXED St. Luke's.	Yes.	Yes.	No.	1
SE Hadfield C.E.	Yes.	Partly so, and short talks as necessity arises	Yes	Partly so; Teachers' own experience also
Querv.	Is a copy of the Handbook of Suggestions on Health Education supplied to each teacher?	Are the lessons based on the Handbook?	Is a copy of the Syllabus of the Hygiene of Food & Drink supplied to each teacher?	Are the lessons given on this subject based on this Syllabus?

	Zion.	This is attempted, especially citizenship.
d.	Dinting C.E.	Incidentally in religious teaching and history.
(BOYS) 11+—Continued.	Whitfield C.E.	Each Monday morning the laws of health are dealt with by the Class Teacher.
SENIOR MIXED SCHOOL (BOYS	Padfield.	English essays on cleanliness. In History and G e o g r a ph y when occasion arises. Drawing — illustrations — controls trasting and unhealthy and
	St. Luke's.	Health education is associated with school curriculum in a c c o r d an c e with the Suggestions.
SE	Hadfield C.E,	Occasional talks
	Query.	How far is health education taught through the other subjects of the school curriculum as outlined on pages 72 to 76 of the Handbook of Suggestions on Health Education?

The captain and vice - captain are responsible for these including temperature charts.
Monitors appointed to report on matters connected with sanitary conveniences and playground.
Boys are en- couraged to notice the temperature and requisite amount of ven- tilation neces- sary.
Monitors appointed to attend to ventilation, general cleanliness and playground.
Fo what extent, Boys are taught The importance if any, do the to report any- of this is boys share in thing necestrates in thing necestrates in the responsibility for the cleanliness in notice. They respond well tilation & clean to assist classrooms, and do all they can to assist us.
Boys are taught to report anything necessary to ensure cleanliness in lavatories.
To what extent, if any, do the boys share in the responsibility for the care of the ventilation & classrooms,

classrooms, proper condition of the lava-

tories&sanitary conveniences, and of the play-ground, etc.?

SENIOR MIXED SCHOOL (BOYS) 11+-Continued.

Zion.	Health Exhibition.	Nature study for juniors.		10
		Nati		
Dinting C.E.	Health Exhibition.	None.		21
Dinti	Health tion.	N		
ld C.E.	Exhibi-	Je.		09
Whitfield C.E.	Health Exhibition.	None.		9
eld.	Health on.	ich as	study.	Pro-
Padfield.	Visits to Health Exhibition.	Only such is revealed	nature study.	17
ke's.	Health on. by the [. and	jiven.		2
St. Luke's.	Visits to Health Exhibition. Lectures by the M. O. H. and others.	None given.		37
I C.E.	Exhibi-	ů		•
Hadfield C.E.	Health Exhibition.	None.		29
ry.		the rand	of the ion, if ven in	of sex.
Query.	Are any special visits paid bearing on education in matters of health, e.g., visits to waterworks, sewage works, sewage farms, etc.	S t a t e	content of the instruction, if any, given in	matters of se

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JUNIOR MIXED SCHOOLS 11- and 7+.

Zion.	Yes.	Full use made of every opportunity to inculcate habits of cleanliness of the person and clothing and to stress the value of fresh air and sunlight and to teach self control.
Dinting C.E.	Yes.	One lesson of bour given to each class weekly, simple talks on cleanliness of body and surroundings, fresh air, exercise, sleep, and proper food.
Whitfield C.E.	No.	Simple lessons as found necessary.
Padfield.	Yes.	General periodical inspections. Clean hands c a m p a i g n . Handkerchief drill. Talks on cleanliness.
St. Luke's.	Yes.	6—8 lessons per term. Each lesson ½ hour.
Hadfield C.E.	Yes.	Incidental teaching re cleanliness of nose, ears, hair, teeth, and washing before eating.
Query.	Is a copy of the Handbook of Suggestions on Health Education supplied to each teacher?	In what directions and how far is Health Practice and Health Teaching as outlined in Part 1 of the Handbook carried out?

Zion.	Yes, a weekly period of 35 minutes is alloted to direct instruction of hygiene. The course of lessons is based on the Handbook of Suggestions, on syllabus quoted in 4 and on	literature supplied by the Health Week Committee.	Yes, particularly the part dealing with alcohol.
Dinting C.E.	°Z		Yes, as far as it comes within the capacity of children of this age.
Whitfield C.E.	° Z		Ö
JUNIOR MIXED SCHOOLS 11— and 7+. St. Luke's. Padfield. Whitfield C.E.	Part of science scheme, but subject continually referred to.		Yes, talks on temperance given.
JUNIOR MIXE St. Luke's.	No, only as stated in query 2.		No.
Hadfield C.E.	o N		Occasional use made of it.
Query.	Is a definite time, apart from (2), assigned on the curriculum to the teaching of hygiene? If so, give particulars of character of course and time allotted?		Is use made of any part of the Syllabus of the Hygiene of Food and Drink?

JUNIOR MIXED SCHOOLS 11- and 7+.

Zion.	The senior boys and girls are in turn made responsible for ventilation of classrooms, proper use of lavatories, tidiness of playground. The children respond well.	77
Dinting C.E.	This is left to the senior children of the school.	-44
Dintil	This is the children school.	84
Whitfield C.E.	None, but pupils required to notice tem-perature and necessary ventilation.	368
W		
Padfield.	Monitors a ppoint of to carry out these duties.	49
St. Luke's.	The importance of this is brought frequently to the notice of boys and girls. They respond well.	grand, or and
Hadfield C.E.	Children taught incidentally to be clean in all these things.	133
Query.	To what extent, if any, do the boys and girls share in the responsibility for the care of the ventilation and cleanliness of the class-rooms, proper condition of the lavatories and sanitary conveniences, and of the play-ground, etc.?	No. in School

	15		
Zion. Yes.	and ears examined daily. Use of handker-chief encouraged. Children told to clean teeth and not to bite pencils.	Children taught to put in baskets all waste material from lessons, lunches, etc.	œ M
	Informal talks once a week for 4 hour.	Children take turns in looking after school material and seeing to tidiness of rooms.	62
o.	Health talks weekly and conversations based on Health posters.	Children trained to take care of c up boards, apparatus and plants, to prepare toilet rolls from waste paper and to collect litter and put in specially prepared baskets.	165
INFANTS' SCHOC 8. Padfield. Yes.	Inspection rehands, hair, ears, face, footwear, etc., Handkerchief drill. Talks on teeth.	Monitors to keep room tidy and hang up clothes in the cloakroom.	46
St. Luke's. Yes.	Talks when opportunity arises on subject matter of Part 1.	Children very loyally carry out the wishes and demands of the teachers in the semanters.	94
Hadfield C.E.	Talks on cleanliness, teeth, hair, washing before meals and care of nose. Posters Exhibited.	Incidental teaching of children.	54
Query. Is a copy of the Handbook of Suggestions on Health Education supplied to each teacher?	In what directions and how far is Health Practice and Health Teaching as outlined in part 1 of the Handbook carried out?	To what extent, if any, do the children share, particularly in regard to cleanliness, and orderliness, in the care of the classroom and equipment, layatories, sanitary conveniences and playground.	No. in Schools.

The information was ascertained for the Medical Department of the Board of Education who desired to have an idea of the extent it was being taught.

Several things are clear from the above tables.

- (1) There is considerable variation of the teaching in the schools.
- (2) Sufficient time is not given in some.
- (3) There is no control for the School Medical Department as to what should or should not be taught.

In order to overcome these discrepancies if they are general I suggest that the School Medical Officer should be given some status so that he would be in a position to see that the proper programme of teaching was adopted and also that it was carried out.

If hygiene were taught adequately I am of opinion a vast amount of suffering and disease could be prevented, for many diseases are caused through sheer lack of knowledge and also because hygienic habits have not been encouraged during childhood.

As a Medical Officer of Health of long standing I think that if our young boys and girls started life with an adequate knowledge of the laws of health more good would be done than by enforcing all the Public Health Acts in the Statute book.

(4) MEDICAL INSPECTION.

Routine Inspections:—

The age groups inspected are Entrants, Intermediates and Leavers (children over 12 years); children of other ages are occasionally examined for often children miss the inspection at the proper age owing to illness or for other reasons.

There were 80S routine inspections in 1929.

Special Examinations:—

Children referred by parents, teachers, or the nurses or children sent to the Minor Ailment Clinic for treatment are specially examined. There were 611 of these Examinations in 1929.

Re-Examinations:—Children found previously defective are re-examined in school or at the Clinic; there were 1,643 of these Examinations in 1929.

(5) THE FINDINGS OF MEDICAL INSPECTION.

I give herewith a table which shews the percentage of various defects found at routine examinations.

PERCENTAGE DEFECTS FOUND AT MEDICAL INSPECTION, 1929 AND CERTAIN OTHER YEARS.

INSPECTION, 1929 AND CERT	AIN	OTH.	ER	YEAR	S.
Year.		1926	1927		1929
No. of Children examined,		919	840	913	808
Malnutrition—Bad (Requiring treatr		1.5	1.4	2.3	1.2
,, Observ	ation	2.0	4.0	3.5	2.7
Uncleanliness (per Nurses' Inspec	tions)	1.7	2.1	2.6	3.0
Skin—Ringworm—Scalp		0	0	0.1	0.1
Body		0	0	0.1	0.1
Scabies		O	0	0.0	0.0
Impetige		0	0.2	0.0	0.1
Other Skin Diseases		0.1	0.71	0.7	0.4
Eyes—Blepharitis		0.2	0.5	0	0.1
Conjunctivitis		0	0	0	0.1
Keratitis		0	0	0	0.0
Corneal Opacities		0.3	0.2	0.1	0.0
Defective Vision (excluding S					
(Requiring Treatment)		~ ~	4.7	7.8	6.1
Squint		0.0	1.1	0.6	0.8
Other conditions		0.1	0.1	0	0.2
Fars—Defective Hearing		0.40	0.8	0.4	1.2
Otitis Media	• • •	0.49	0.9	0	0.1
Other Ear Disease			0	0	0.1
Nose and Throat—Enlarged Tonsil					
(Requiring Treatment)	, Om	3.1	2.5	4.5	2.9
(,, Observation)		. 2.8	3.5	6.5	6.0
-Adenoids only					
(Requiring Treatment	• •	. 1.7	1.6		
(,, Observation)		. 1.6	2.6	3.6	1.8
-Enlarged Tonsils & Ad	enoid	S	0.5	: 1.4	1 1
(Requiring Treatment)		1.4	$\frac{2.0}{2.0}$	0.8	1.0
(). Observation)	• •	. 1.0	4.0	0.0	1.0

Year.		1926	1927	1928	1929
Enlarged Glands (Non-Tubercular)					
(Requiring Treatment		4.2	3.9	4.4	2.7
(,, Observation)		17.9	8.3	8.6	7.8
Defective Speech.					
(Requiring Treatment)		0.3	0.1	0.2	0.2
Organic Heart Disease					
(Treatment and Observation)		1.3	1.5	2.7	1.7
Functional Heart Disease.					
(Treatment and Observation)		9.7	10.5	9.3	8.0
Anæmia—(Requiring Treatment)		1.5	0.7	1.8	1.3
(,. Observation)		1.9	1.6	2.4	1.1
Bronchitis—(Requiring Treatment)		0.8	0.4	0.6	0.4
(,, Observation)		0.43	0.7	0.9	1.0
Other Non-Tubercular Disease of Lung.		0	0	0	0
Tuberculosis—Lungs (Definite)		0.3	0.1	0.2	0.4
,, (Suspected)		0.43	0.8	0.3	0.6
Glands (Req. Treatmen			0.1	0.4	0.2
(,, Observation				0.1	0
All other forms	• • •	0	0.1	0	0
Nervous Conditions—Epilepsy			0.1	0.2	0.2
		0	0.4	0	0.0
(,, Observation)		0	0.2		0.1
Other (,, ,,)	• • •		0	0.3	0.2
· ·	• • •		0.3	0.4	0.0
	• • •		0	0	0.1
Rickets (Req. Treatment)			0.2	0.2	0.0
(,, Observation)			0.7	0.4	0.3
Other forms (Req. Treatment)	• • •	0.8	0.4	0.1	0.7
Other Defects and Diseases.		0.7	4.0	9.0	0.1
(Req. Treatment)				3.8	$\frac{2.1}{1.0}$
(,, Observation)				15.2	1.0
Of which Goitre (Req. Treatment)				$0.5 \\ 0.9$	$0.6 \\ 0.7$
,, (,, Observation) .				3.1	
Rheumatism (., Treatment) (,, Observation)					1.0 9.1
(,, Observation)	• • •	14.5	10.0	14.4	J. I

To compare the findings of Medical Inspection in Glossop with that of other areas I give the table of defects per thousand found in the schools of England and Wales, 1928 (taken from Sir George Newman's report for 1928) and put the Glossop figures alongside them for 1929.

Incidence of defect per 1000 children (Routine inspected).

		(IOOGOIIIC	TILDPO	000000
		gland and les, 1928.		Glossop, 1929.
Malnutrition	,	9.1		12
Skin Disease			• • •	8
Defective Vision (Entra				
excluded)		86.8	• • •	86
Squint			• • •	8
Other Eye Disease			• • •	4
Defective Hearing			• • •	12
Otitis Media				1
Enlarged Tonsils and Ader	noids	63.0	• • •	51
Other Ear, Nose & Th Defects		6.4		4
Heart Disease Org	ganic	1.8	• • •	17
Lung Disease—				
Tuberculosis definite			• • •	4
Pulmonary suspecte	ed	1.1	• • •	6
Non-Pulmonary		1.0		2
Disease of the Nerve		9.0		2
Deformities			• • •	8

In the code groups 22.1 children were found in 1929 to require treatment as compared with 25.9 in 1928, 24.8 in 1927 and 30.1 in 1926 and 26.9 in 1925, 28.8 in 1924, 25.7 in 1923. The table appended gives the percentage of defects in 1926, 1927, 1928 and 1929.

From this Table it will be seen that certain defects are more prevalent in Glossop than in England and Wales. These defects are: — Heart Disease, Tuberculosis, and Ear, Nose and Throat Diseases.

(6) THE CONTROL OF INFECTIOUS DISEASES IN THE SCHOOLS.

No schools were closed on account of outbreaks of Infectious Disease in 1929.

All Diphtheria contacts and convalescents are seen by the S.M.O., who is also M.O.H., before returning to school and swabs are taken; the general procedure being in the case of convalescents there must be 3 consecutive negatives and in the case of contacts one and no sign of an inflamatory condition of the nose and throat.

Scarlet Fever convalescents and contacts are also examined before return to school by the S.M.O., but in this case a private doctor's certificate of freedom from infection is accepted.

(7) FOLLOWING UP.

Children with defects are followed up by (1) Visits by the Nurses. (2) Calling up previously defective children to the Clinics or for examination. (3) By re-examination of previously defective children in school.

SCHOOL NURSING AND THE CARE OF THE PRE-SCHOOL CHILD.

5200 examinations were made in schools of children regarding cleanliness and 158 children were found unclean; average visits per school, 3.

Visits are paid to the houses of children for following up purposes, and also for the supervision of children operated on for Enlarged Tonsils and Adenoids.

(8) MEDICAL TREATMENT.

	Mode of Treatment	No.	Treat-
Defects.	Available.	Treated.	ments.
(a) Minor Ailments.	Minor Ailments Clinic.	171	2345
(b) Diseased Tonsils	Private Doctors	5	
and Adenoids.	Tonsil and Adenoid Clinics		
	at Wood's Hospital	48	
(c) Tuberculosis.	Private Doctors		utilities remain
	Tuberculosis Dispensary		
(d) Skin Diseases	Minor Ailments Člinic.	56	-
(e) External Eye			
Disease.	Minor Ailments Clinic.	19	_

Defects. (f) Vision. (g) Ear Disease and Hearing.	Mode of Treatment Available. Ophthalmic Clinic Minor Ailments Clinic No definite arrangements	No. Treated. 79 21	Treatments.
 (h) Dental Defects. (i) Cripples. (j) Goitre. (k) U.V. Ray Clinic. 	for operations. Hospital. Dental Clinic Orthopaedic Clinic. Clinic.	$egin{array}{c} 2 \\ 747 \\ 23 \\ 7 \\ 42 \\ \end{array}$	2362 — — —

Attendances at Minor Ailment Clinic, 2345.

The above table gives the number of children treated at the Clinics during 1929.

DENTAL CLINIC.

A full time Dentist is now employed jointly by Hyde and Glossop Education Committees in the proportion of 7/11 of the time for Hyde and 4/11 for Glossop.

DENTAL REPORT, 1929.

During 1929 Dental Inspections have again been held in the Elementary Schools in the Borough and the work of the Dental Clinic compares favourably with that of previous years.

The average attendances at the Clinic are good, showing that the parents continue to appreciate the facilities provided for Dental Treatment for their children.

It may be noted that the average number of extractions has fallen a good deal (which is due to the following up treatment in the various age groups). More time has been given to conservative work, and it is gratifying to note the number of young mothers who bring their children to the Clinic at regular intervals for examination. This, I feel sure, is due to the work of the Medical Officer, and Health Visitors in the Wefare Centre.

MURIEL ROBERTSON, L.D.S., Dentist.

U.V. RAY CLINIC.

I give herewith tables giving details of the cases (School Children) treated at the Ultra Violet Ray Clinic:—

ULTRA VIOLET RAY CLINIC: DETAILS OF CASES.

Result.	Has never been so free from colds in the Winter.	Condition unchanged (neck 104 ins. before and after).	No attacks of sickness after treatment, previous attacks fortnightly. Cured.	Abdomen 1 in. less.	Unchanged, overcrowded home.	Gained weight, colour better, eats better.	No pain after treatment. Cured.	Glands smaller. Eats a lot better.	Glands smaller.	No attacks after treatment.
Weight Gained.	31b. 2oz.	3lbs.	No gain in weight.	No gain in weight.	No gain in weight.	3lbs 10ozs.	No gain in weight.	3lbs.	Weight unchanged.	3lbs.
Maximum Exposure.	15 minutes	14	15 ",	15 ",	15 "	15 ",	15 ",	15	15 "	15 ,,,
Length of Treatment.	9 weeks	6	6	° .	10 ,,	8	:	3 months	74 weeks	7.
No. of Exposures.	17	15	16	16	16	15	16	24	15	15
Disease.	Suspect T.B. Bronchial Glands	Goitre	Acidosis	T.B. Peritoneum	Malnutrition	Anæmia and loss of appetite	Rheumatism of Shoulder	Enlarged Glands after Whooping Cough	Malnutrition	Croup, attacks fortnightly
Sex.	M.	F	M.	M.	Fi	户	Fi	M.	M.	M.
Age.	80	10		6	12	0	11	9	∞	4

ULTRA VIOLET RAY CLINIC-Continued.

					23	3						
Result.	Glands smaller, appetite improving.	Glands smaller, but enlarged again some months later.	Goitre larger.	Chilblains cured.	Glands smaller.	Asthmatical attacks less and no cough after treatment.		No pains after treatment.	Glands disappeared and	appetite good.	Insomnia cured.	General improvement, getting on well at school.
Weight Gained.	No gain in weight.	4lbs.	3lbs. 5ozs.	No gain in weight.	11b. 13ozs.	No gain in weight.	2lbs. 6ozs.	No gain in	weigno 21bs.		3lbs.	11b.
Maximum Exposure.	15 minutes	15 "	12 . ,,	21	14 ,,	15 "	15 ,,	13 ,,	rupted) 13 minntes	rupted)	10 minutes rupted)	15 minutes of
Length of Treatment.	$8\frac{1}{2}$ weeks	6	9	°,	.:	8	8	4	(treatment interrupted)	(treatment interrupted)	1 5 months 10 mi (treatment interrupted)	(second course of treatment)
No. of Expo- sures.	17	18	12	18	14	16	16	26	C	4	21 (tr	15 (s)
None Disease.	Enlarged Glands and 17	Tubercular Glands	Goitre	Chilblains and Neuritis	Hinlanded (Flands	Asthma (Bronchial)	Suspect Phthisis	Rheumatism		Enlarged Glands after Whooping Cough, Loss of Appetite	Insomnia	Infantalism
Sex.	Ħ	M.	H	Fi	M	i Fi	>	Z Z	l I	Ä.	E	巨
Age.	6	10	12	11	o	0 0	18	0 6 Te	9	4 4a	13	<u> </u>

ULTRA VIOLET RAY CLINIC-Continued.

					42					
Result.	Glands almost disappeared, appetite better and better in spirits.	Glands improved.	Bronchitis cured.	Glands cured.	No symptoms after treatment.	Glands smaller.	Legs straighter.	Glands cured.	No catarrh after treatment.	Rheumatism cured.
Weight Gained.	No gain in weight.	7lbs.	No gain in weight.	11b. 7ozs.	21bs.	5lbs. 2ozs.	2lbs.	7lbs.	21bs.	3lbs.
Maximum Exposure.	15 minutes	16 minutes	15 minutes rupted)	13 minutes	8 minutes rupted)	15 minutes rupted)	15 minutes rupted)	7 ,,,	14 ,,	15 ", rupted) months s).
Length of Treatment.	10 weeks	10 weeks	28 3 months (treatment interr	3 months	(treatment interr	29 4 months 15 mi (treatment interrupted)	1 2½ months 15 min (treatment interrupted)	ა ,,	دی سارید	4 "., 15 (treatment interrupted) Red Rays for 2 months (20 minutes).
No. of Expo- sures.	21	18	28 (tre	27	17 (tre	29 (tre	21 (tre	20	56	28 (tr Re
Disease.	Enlarged Glands and 21 Debility	Enlarged Glands	Bronchitis	Enlarged Glands	Debility, frequent colds and headaches	Enlarged Glands	Rickets & Knock Knee	Enlarged Glands	Old Rickets. Bronchial Catarrh.	Rheumatism (Hands & Feet).
Sex.	E	Fi	M.	M.	Fi.	M.	Ē	Fi	M.	Ē
Age.	$7\frac{2}{12}$	œ	121	œ	82	$10\frac{4}{12}$	বা	13	∞	10

ULTRA VOILET RAY CLINIC-Continued.

Result.	Eye cured.	Glands improved, appetite improved. (Slow response to treatment at first).	Greatly improved.	Eats better and is stronger.	Pains better and no attacks of Asthma.	Bronchitis cured.	Insomnia less, twitching less and less sweating.	Movements better and muscles stronger.
Weight Gained.		11b.						
Maximum Exposure.	12 Minutes	15 minutes	15 minutes al).	15 minutes	15	13 ,,	s 12 ". errupted).	15 months exposures ick Lamp es).
Length of Treatment.	4 months 12 Mini	3 months	8 weeks 15 (General & Local).	8 weeks	8	64 "	2½ months 12 , (treatment interrupted).	preceded by 7 exposures to Murray Levick Lamp (20 minutes).
No. of Expo- sures.	27	24	16	16	16	12	19	
N H Disease. s	T.B. Cornea	Enlarged Glands (after Influenza).	M. Alopecia	Debility and Heart	Asthma (bronchial) and Rheumatism.	Bronchitis.	Insomnia & nervous twitching. Profuse persperation	Partial Paralysis of shoulder muscles and muscles of arm and hand.
Sex.	M.	ĭ.	M.	Fi	M.	Ħ	M.	Fi
Age.	12	$\delta_{\overline{1}\overline{2}}^{4}$	∞	80	12	13	11	12

(9) OPEN AIR EDUCATION.

There is no open air school in Glossop; it would, in my opinion, be a good thing to have a school of this sort despite our climate. There are excellent schools of this nature at Sheffield and Barnsley which I have seen. The weather conditions there are somewhat similar to Glossop, and I see no reason why we should not have an open air school here as far as climatic conditions are concerned.

(10) PHYSICAL TRAINING.

The appointment of chief instructor in Physical Training was discontinued in 1929.

(11) PROVISION OF MEALS.

Children now receive Milk in school either by paying (1d. a day) or free, if they are recommended to have it by the School Medical Officer, and their parents cannot pay.

The number of free milk meals given in 1929 was 21,360 at a cost of £121 19d. 9d.

The amount generally given is about 1/3 pint, and the average number having milk daily is about 30% of all school children. All Tubercular children are given a pint.

As mentioned above most of them pay 1d. daily, there being in each school what one might call a Milk Club for the purpose.

(12) SCHOOL BATHS.

The various schools in rotation use the Baths.

The water for the Baths is filtered and chlorinated; care is taken by the teachers to see that the children are clean.

Children with running ears and infectious sores and such like condition are excluded from going to the Baths.

(13) CO-OPERATION OF PARENTS.

The method of co-operation was given in detail in the 1926 report, pages 16, 17 and 18.

(14) CO-OPERATION OF TEACHERS.

The teachers report to us special children who require examination, send out the notices for medical inspection and confer with the S.M.O. regarding children requiring special attention.

In most schools now some form of instruction in Hygiene is given to the pupils, and the teachers attend the lectures given by the M.O.H. on this subject in order that what they teach will be in keeping with the advice given at the Welfare Centre.

(15) CO-OPERATION OF ATTENDANCE OFFICER.

The Attendance Officer lets us have the names of children absent from school who may require examination to see when they are fit to return; and in times of outbreak of disease he gives valuable help in tracing missed cases and dealing with contacts.

(16) Co-operation is carried out with the N.S.P.C.C. and also with the Tuberculosis Care Committee. The latter Committee gives free milk to tubercular school children during holiday time.

(17) BLIND, DEAF AND FPILEPTIC CHILDREN.

There is one boy at an Institution for the blind, and there are two deaf children and one epileptic child who should have institutional care, all three are mentally defective.

(18) NURSERY SCHOOLS.

There are none in the Borough.

(19) EMPLOYED CHILDREN.

There were 26 children examined during the year. 24 were for distributing papers and 2 for delivering meat.

Care was taken to see each child had suitable clothing.

SPECIAL INQUIRY RE RHEUMATIC STIGMATA AND ASSOCIATED DEFECTS.

In last year's report I gave details concerning Rheumatic Stigmata, and associated conditions and tables were given showing how the defects were associated together in each child examined.

During 1929 I examined 808 regarding the incidence of Rheumatic Stigmata, and I found Stigmata present in 82, or 10%, as compared with 17.4% in 1928 and 15.1% in 1927.

In the detailed investigation made in 1927 the defects I found associated with Rheumatic Stigmata were, as given below, compared with children who had no Rheumatic Stigmata.

	Chi	1927.	rith		C	1929. hildren with		
· ·	Children with Rheumatic							
				Other		Rheumatic		
	DU	igmata	. .	Children.		Stigmata.		
		151.		849.		12 2.		
Nose & Throat Defec	ts	18.5		10.2		28.0		
Enlarged Glands		27.0	• . • • •	15.1		14.0		
Heart Defects		25.8		7.8		34.0		
Goitre		3.9		2.8	• • • • •	2.2		
Lung Defects	• • •	5.3		2.8	• • • • • •	2.2		
Bad Teeth		42.3		34.6		30.0		

Regarding Rheumatic Stigmata among children with Nose and Throat defects; in 1928 among 115 children with Nose and Throat defects 24.3 had Rheumatic Stigmata as compared with 13.8 cases of Rheumatic Stigmata found among 885 children with no Nose and Throat defects. In order to check this off I took the case sheets of 49 children who had been operated on for Enlarged Tonsils and Adenoids and in whom the condition had been confirmed, and found that the percentage of Rheumatic Stigmata in these children was 22.4%.

In 1929 I investigated the incidence of Rheumatic Stigmata in 42 children operated on for Enlarged Tonsils and Adenoids and found it to be 19%. To sum up in Glossop we found that about 15% of all children have Rheumatic Stigmata, and that these children with Rheumatic Stigmata have a much greater incidence of Nose and Throat defects, e.g., 18.5% in 1927 and 28% in 1929, as compared with 10.2 in all other children in 1927. Taking it the other way round we find that in 1928 among 49 children operated on for Enlarged Tonsils and Adenoids 22.4% had Rheumatic Stigmata as compared with 13.8% in children who

had no nose and throat defects, and in 1929 among 42 children operated on for enlarged Tonsils and Adenoids 19% had Rheumatic Stigmata as compared with 9.6% among children with no nose or throat defects.

It would appear then from the 3 years' investigation that there is a close association between Nose and Throat defects and Rheumatic Stigmata.

If we consider Heart Defects we find that in 1927 25.8% and in 1929 34% of children with Rheumatic Stigmata had Heart defects as compared with 7.8 in all other children.

Among 42 children operated on for Enlarged Tonsils and Adenoids in 1929 14% had Heart defects, the percentage of Heart defects among all children being 9.7.

It would appear therefore that there is a close association between Rheumatic Stigmata, Nose and Throat Defects and Heart Disease.

Which is the primary defect? That is a difficult thing to say, but it is most likely that the Nose and Throat condition is the cause of Heart Disease and Rheumatism rather than vice versa unless some common cause is responsible for all.

What that common cause is I have not yet ascertained, probably it is bad mothering, including a defective dietary.

I am trying to find out how far bad mothering and defective dietary is responsible, but the investigation must take some years.

I also asked for co-operation from one of the teaching Universities in the investigaton but, I regret to say, I was unable to obtain this.

BOROUGH OF GLOSSOP. 1929.

TABLE I.—RETURN OF MEDICAL INSPECTIONS.

A. ROUTINE MEDICAL INSPECTIONS.

Number of Code Group Inspections.

(see note b).

Entrants	• • •	• • •		• • •	• • •	• • •	298
Intermedia	ites	• • •	• • •	• • •	• • •	• • •	303
Leavers	• • •	• • •	• • •	• • •			204
	Total	• • •	• • •		• • •		805
Number of other	er Routii	ne Insp	ections	• • •	• • •		3
(se	e note c).					
	Total	• • •	• • •	• • •	• • •		808
	T) 0	mil iaio	TMOD	TONT) NT CI		
	В. О	THER	INOP	ECT10	JND.		
Number of Spe	cial Insp	ections	• • •	• • •		• • •	611
(80	e note d).					
Number of Re-	inspection	ns	• • •	• • •	• • •	• • •	1643
(se	e note e).			*		
	Grand	Total	• • •			• • •	3062

Table II.—A. Return of Defects found by Medical Inspection in Year ended 31st December.

			atine ections.	Spec Inspect	ial	
		No. of	Defects.			
	Defect or Disease.	Requiring Treatment.	Requiring to be kept under observation, but not requiring Treatment.	quiring atment.	Requiring to be kept under observation, but not requiring Treatment.	
	(1)	(2)	(3)	(4)	(5)	
	Malnutrition Uncleanliness (See Table IV., Group V).	. 10	29	27		
Skin	Doubles	$\begin{bmatrix} \cdot \\ \cdot \\ \cdot \end{bmatrix} = \begin{bmatrix} 1 \\ - \\ 1 \end{bmatrix}$	1 1 - 2	12 13 — 23 5		
Еуе	Blepharitis	1	2 1 —	$ \begin{array}{c c} & 16 \\ & 1 \\ & - \\ & 2 \\ & 3 \end{array} $		
	Squint	50 4	3	2	1	
Ear	TT in	1(L	12 16		
Nose an Throa	Adenoids only	3	49 9 15 9 8 5 3	39	1 1 -	
Enlarg	ed Cervical Glands (Non-Tuberculo	2 (28)	2 63	8	1	
Defect	ive Speech		2 -			
Teeth-	-Dental Diseases (see note a) (see Table IV, Group IV).		_	-		

32
TABLE II.—continued.

	1	1	*	
(1)	(2)	(3)	(4)	(5)
Heart Disease . Organic Circulation Anæmia		65 9	11 5	1
$\mathbf{Lungs} \left\{ \begin{array}{ll} \mathbf{Bronchitis} \dots & \dots & \dots \\ \mathbf{Other} \ \ \mathbf{Non\text{-}Tubercular} \ \ \mathbf{Diseases} \end{array} \right.$. 4	8 —	1	
Pulmonary: Definite Suspected	1	<u> </u>	_	<u> </u>
Tuber- culosis Non-Pulmonary: Glands Spine Other Bones and Joints Skin Other Forms			2 - - 2 (eye)	
Nervous Chorea System Other Condition Mental Defects Rickets Defor- Spinal Curvature	1 -	- 1 1 - 3	$-\frac{1}{4}$	16 —
other Forms Knock Knee Other Defects and Diseases Of which Goitre Rheumatism	$\begin{array}{c c} \cdot & \frac{6}{17} \\ \cdot & \frac{7}{5} \end{array}$	$ \begin{array}{c c} 3 \\ \hline 80 \\ 6 \\ 74 \end{array} $	$ \begin{array}{c c} 2\\ \hline 80\\ 7\\ 1 \end{array} $	
Gastro-Enteritis Mumps Worms Chronic Appendicitîs Miscellaneous Injuries and Sores	. 1 . 2 . 1	-	- - 1 71	

B. Number of individual children (see note b) found at Routine Medical Inspection to require Treatment (excluding uncleanliness and dental defects) ... 178

	Number	Number of Children.		
Group.	Inspected See note c.	Found to require treatment.	found to require t. See note d.	
CODE GROUPS: Entrants Intermediates . Leavers	303	55 64 59	18·4 21·1 28·9	
Total (code groups)	805	178	22 1	
Other routine inspections .	. 3		_	

Table III.—Return of all Exceptional Children in the Area (see Note a).

	,		Boys	Girls	Total
Blind (including partially blind). See Note b	(i) Suitable for training in a School or Class for the	Attending Certified Schools or Classes for the Blind Attending Public Elementary Schools See Note c. At oth'r Instituti'ns At no School or Institution	-		1
	(ii) Suitable for training in a School or Class for the partially blind	Attending Certified Schools or Classes for the Blind Attending Public Elementary Schools See Note c At oth'r Instituti'ns At no Schools or Institution	s —	1	1
Deaf and Dumb	(i) Suitable for training in a Schoo or Class for the totally deaf or deaf and dumb	At other Institutions At no School or	3	2 2	4
partially deaf). See Note d.	(ii) Suitable for training in a School or Class for the partially deaf	Elementary	ed –		
Mentally Defective	Feeble Minded (cases not notifiab to the Local Con- trol Authority) See Note E.	Attending Certification Schools for Mentally Defective Children Attendering Public Elementary Schools See Note C. At other Institutions	ve -	4	3 7
		At no School or Institution		3 -	_

Table III.—continued.

			<u>-</u>	1	
			Boys	Girls	Totals
Mentally Defective —contd.	Notified to the Local Control Authority during the year	Feeble minded Imbeciles Idiots			
	Suffering from	Attending Certified Special Schools for Epileptics In Institutions other than Certified			_
Epileptics.	epilepsy which is severe. See Note f.	Special Schools Attending Public Elementary Schools See Note c. At no School or	2		4
		Institution	*1		1
	Suffering from epilepsy which is not severe. See Note g.	Attending Public Elementary Schools See Note c. At no School or Institution			
	Infectious Pul- monary and glandular Tuberculosis See Note h.	At Sanatoria or Sanatorium Schools approved by the Ministry of Health or the Board At oth'r Instituti'ns At no School or Institution	1	3	4 _
Physically Defective	Non-Infectious but active pulmonary	At Sanatoria or Sanatorium Schools approved by the Ministry of Health or the Board At Certified Resi- dential Open Air Schools	1	2	3
	and glandular Tuberculosis See Note h.	At Certified Day Open Air Schools At Pt Public Elem. Schools, See Note c. At other Institut'ns	10	5	15
		At no School or Institution	1	1	2

^{*} Also Mentally Defective.

TABLE III.—continued.

			Boys	Girls	Total
	Delicate children e.g., pre or latent tuberculosis mal- nutrition. debility, anæmia, &c. See Note h.	At Certified Residential Open Air Schools At Certified Day Open Air Schools At Public Elementary Schools See Note c At other Instituting At no School or Institution	125	72	197
Physically Defective	†Active non-pul- monary tubercul- osis. See Note h.	At Public Elemen	5	5	10
	Crippled Children (other than those with active tube culous disease), e.g., children suffering from paralysis, &c., and including those with sever heart disease. See Note h.	Residential Cripper- Schools At Certified Day Cripple Schools At Public Elementary Schools See Note c.	le –	_	- - - - 19 - - 2 3

[†] Other than tuberculosis of lungs and glands.

Table IV.—Return of Defects Treated during the Year ended 31st December.

(See note a).

TREATMENT TABLE.

GROUP I.—MINOR AILMENTS. excluding Uncleanliness. for which see Group 5.

					efects treated nt during the	
Disease or De	efect.			Under the Authority's Scheme. See Note b.	Otherwise.	Total.
SKIN:—	-		-			
Ringworm—Scalp		• • •	• • •	12		12
Ringworm—Body	•••		• • •	13		13
Scabies	• • •	• • •	• • •			-
Impetigo				23		23
Other skin disease		• • •	• •	5	spale to an	5
MINOR EYE DEFECTS External and other, cases falling in Gr			ng	17		17
T.B. Eye			•••	2	_	2
MINOR EAR DEFECTS See Note c.						
Otorrhoea				15		15
Deafness	• •		• •	6	2	8
Other Ear					proph formats.	
Glands					60	60
Goitre		• •		10		10
MISCELLANEOUS						
e.g., minor injuries				68	2	70
chilblains	• •		• •	08		70
Total		• •		171	64	235

No. of Attendances at Minor Ailments Clinic 2345

TABLE IV.—continued.

GROUP II.—DEFECTIVE VISION AND SQUINT, excluding Minor Eye Defects treated as Minor Ailment—Group I.

	Number of defects dealt with.					
Defect or Disease.	Under the Authority's Scheme. See Note b.	Sul mitted to refraction by private practitioner or at hospital apart from the Authority's Scheme.	Otherwise.	Total.		
1						
Errors of Refraction, including Squint. Operations for squint should be recorded separately in the body of the Report.	83		•••	83		
Other Defect or Disease of the eyes, excluding those recorded in Group I.						
Total	. 83		quanta	83		

Total number of children for whom spectacles were prescribed:—
(a) Under the Authority's Scheme 79
(b) Otherwise
Total number of children who obtained or received spectacles:
/w/ Tindow the Authority's Scheme
(b) Otherwise $\cdots \cdots \cdots \cdots \cdots \cdots$
(b) Otherwise

GROUP III.—TREATMENT OF DEFECTS OF NOSE AND THROAT.

	Number of Defects.					
Receive	Operative Trea	tment.				
Under the Authority's Scheme, in Clinic or Hospital. [See Note b.	By Private Practitioner or Hospital apart from the Authority's Scheme.	Total.	Received other forms of Treatment.	Total number treated.		
1	2	3	4	5		
43	5	48		48		

TABLE IV.—continued.

GROUP IV.—DENTAL DEFECTS.

(1)	Number	\mathbf{of}	Child	ren	who	were:—
	(a)	Insp	pected	by	the	Dentist:

Routine Age Group	$ \begin{pmatrix} 4 - 25 \\ 5 - 184 \\ 6 - 201 \\ 7 - 247 \\ 8 - 296 \\ 9 - 289 \\ 10 - 178 \\ 11 - 54 \\ 12 - 4 \\ 13 - 1 \\ 14 \end{pmatrix} $	Total 1479
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	Specials (See note d)
	Grand Total 1687 (b) Found to require treatment
(2)	(Sce note e). Half-days devoted to—Inspection 14 Treatment 152
(3) (4)	Total 166 Attendances made by children for treatment 1332 Fillings Permanent teeth 554 Temporary teeth 166
(5)	Extractions Permanent teeth 143 Temporary teeth 1304
(6) (7)	Administrations of general anæsthetics for extractions 0 Other operations Permanent teeth 195 Temporary teeth 0
	195

GROUP V.—UNCLEANLINESS AND VERMINOUS CONDITIONS. (See Note f).

- (i) Average number of visits per school made during the year by the School Nurses..... 3.
- (ii) Total number of examinations of children in the Schools by School Nurses..... 5200.
- (iii) Number of children found unclean..... 158.
- (iv) Number of children cleansed under arrangements made by the Local Education Authority..... 0.
- (v) Number of cases in which legal proceedings were taken:
 - (a) Under the Education Act, 1921 ... 0 (b) Under School Attendance Bye-laws ... 0

^{* 9} to 14 are periodical re-examinations.

STATEMENT OF THE NUMBER OF CHILDREN NOTIFIED DURING THE YEAR ENDED DECEMBER 31st, 1929 BY THE LOCAL EDUCATION AUTHORITY TO THE LOCAL MENTAL DEFICIENCY AUTHORITY.

Total number of Children notified, Nil ANALYSIS OF THE ABOVE TOTAL.

Diagnosis	•	Boys.	Girls
benefit or furthe instruction in a S (a) Idiots (b) Imbeciles (c) Others	en incapable of receiving or further benefit from stion in a Special School: diots		Nil
(ii) Children unable in a Special Schoment to the inchildren:	ol without detri-		
(a) Moral defection (b) Others	tives		
2. Feeble-minded child leaving a Special Scattaining the age of	hool on or before		Nil .
3. Feeble-minded child der Article 3 of the i.e., "special circum	1928 Regulations	, Nil	Nil
4. Children who in a mentally defective v			Nil
Grand Tot	al	. Nil	Nil



